An

Inaugural Sipertation

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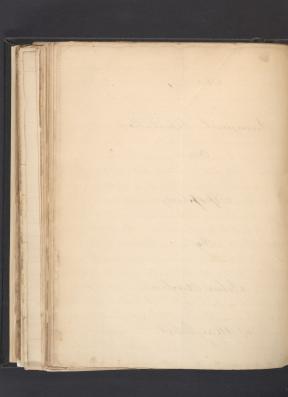
Apoplexy

By

John Austin

1811

of Maryland.



Spoplery has been defined by author to be that direar, in which the whole of the external and internol senser, and the whole of the voluntary motions, are in some degree abolished; while respiration and the action of the heart continue to be performed. This disease commonly attacks nedenly, and the person affected falls to the ground in more or less of a comatore state, according to the grade of the dirares Sometimes only one holf of the body is officied, and in this state the patient is able to wooldaw liquous, and to exercise his will to a certain extents but at other limes when the direast is more violent, all voluntary motions are intirely distroyed; to that they our and wine, are discharged involuntarily. The face is also very often distor ted, and the intellectual functions are in general completely surpended. But while thesenses and voluntary motions are thus diminished or surpended, their existement is hondoled to the bloodrepels, hence we perceive the pulse

States falls to the years in morning to be

synocha, synochula, synachoider. But the excites ment is sometimes so great, that they are practice ted beyond the point of reaction, and we see the pulse very fuble or searchy peruptable. The cheeks are sometimes polid; but they are more fuguently of a red or flored colour: The fore wells, and the vepels about the head, and porticular by the temples, are generally distended with blood, and not un fuguently an homowhage toker place, from the nove, mouth or cars. The eyer are after turged, and pour fourth tears, sometimes they are half open, and appear glosy. The lower jow frequently falls open, and the tongue protudes between the teeth, some times with a foaming at the mouth; and a vome ling also sometimes tokes place. Therespiration is difficult and laborious, and is sometimes allended with a prention noise colled stertown. The skin is often dry and hot.

The duration of the fit may be from one minute to len days, according to the violence of the disease, and other insumstances. Apoplery may terminate in three different ways, 1. In death, which is pressed for the most port by vomiling, coto weats, and convulions. 2 in other direares, as Calry De. 3. and lostly, in health. I have said that this disease after comeson suddenly; but I believe it more frequently come for with certain precursory symptoms which are too often overlooked or neglected, viz. The whole body becomes affected with ununed dulrup, with a deminution of sense and moti-- on in the extremetier, aviolent pair in the head: Frommines, night mare; unumaland terrifying dreams; flatulency; smowing in persons not accustomed toil; homowhagy from the nove; a weakness and loss of me -mory and cold feet. There is also sometimes

a modden repation of austorned evacuations, in Thou persons who are troubled with them. an inflation or sense of fulneprof the face and much; dull and false vision; arense of sudden dar kneps; dull hearing; a follering of the longue; the inexpination fuller than usual: coling pains also sometimes attendite all of those symptoms that I have encurrerated, do not always accur in the some person, nor in the order that I have encumerated them: but more or less of them generally take place in every person that is afflicted with this disease. This disease is said to affect persons who are of a peculiar make and habit, particular. - by those who are of a short stature, fat and ple-- Thoris; and also those of large heads and short nech; and believe such persons are more subject to it show others; but it has also been Known sometimes to attack toll men as well as short and those who were not very plethouse

Who we endowerated done always

and fato It attack's both sexes, but men are much more subject to it thon womens Moometimes though rarely, attacks persons in youth and middle life; but generally those who are ad-= voneed in years. Bersons who have lived in indolene, wed to a full diet, and expecially those who are nil-= jut to frequent intoxication, are portriulors by subject to this direare. This direase is also said to be hereditary in some families. It sometimes owns at certain na = sons of the year; particularly about the autumnoland vernol equinous. It is distinguished from Balry by the nurher. o non of the whole of the powers of serve and voluntary motion; and from yneope by The continuous of the action of the heart and ortenes. I differs from natural sleep by coming on midenly without previous folique; andby

the difficulty or impossibility of rousing the potient. It may also be distinguished from coma, by attending to its previous symptoms. It may be distinguished from drunknemmet by the patients, breath; and if this should not be satisfactory; by his pulse, counter - mance and breathing. Nocoties also produce a direare, sometimes recome - bling this; but by attention the Physicion willingeneral be able to distinguish it. Courses; They are so neumerous that I shall on by briefly incumerate them. Intemperane in eating and drinking , sho indolenewith a full diet, very often being on this disease. The stoppage of any usual evocuations on the blieding piles; bleeding from the nove ofter it has become habitual, or the healing up of on ald some which has remained open for a long time.

Painful and long application of the mind to one subject is very afit to produce this direase. cold and wet fut also produce it. ardent opinits and a pium, increase the impu-- tus of the circulation in the hear, or sudden. by augment the quantity of the blood in it, and therefore, are avery fuguent course of this dineare. D. Bush corwell as Invellet and I bes live very correctly) soys that a fit of drun-- Kennep is nothing but a temporary apo-- plexy. violent exercise, which acts in the manner above specified, is also liable to produce this disease. General or the mister application of heat, Insolation or the rays of the sun has after been known to produce it. Violent papions of the mind, as anger be. this appears particularly to determine the flow of blood to the head, as is evined by the land. In trust of well as free that your I fee

the floris colour of the face, and the difficulty of breathing which takes place in a poroxyour of anger, this is what is called facial apoplexy. Long and loud speaking, also Impure air from any course whatever may producit, particularly that from a crowded afrem-Tight deeper and indigertible aliment, por-- Tienlardy toasted cheese, har often brought on This dinare Sugar of Lead and mercury have also been known to produce it. Vomiting is after a powerful existing cause of apopleary, particularly when an emetie has been given which has operated to an excep. Violent straining at stools; stooping too long at a time; or laying with the head low, may produce an acumulation of blood in the brain by impeding its return from the head.

head. any violent and sudden exertion, by produring a long inspiration, will retard the profsage of the blood through the lungs from the right side of the heart; and of course will inter rupt the return of blood from the head; this is also evident by the appearance of the face. a full meal, heavy suppersor the want of supper, in those accustomed to it has after product apoplesey. The absence of periodical gouts the neglect of undue veneration, in those cover which called for it, has been a fuitful source of this disease. The intemperate use of tobacco in smothing; also long protracted headach and colic, has often brought it on; malignorit fevers hove also hum known to produce apoplery. Hexion and twirling of the neck, or any other siluation of it which will compre to the internal jugular veins, by obstructing

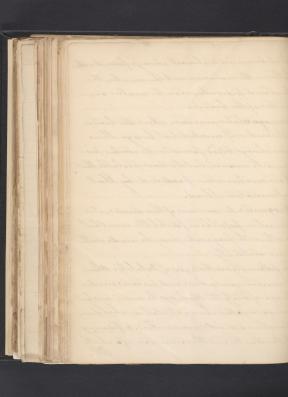


the papage of the blood in them will bring on apopleary; as will also ligatures when drawn too light round the neck. Turnours on the neck act in the same way. The immediate or proximate cause of this dinare, is prepure of the brain, promeed by an extravaration or intravosation of blood or serum. Sometimes the excitement of the brain is entirely destroyed; the prepure being regreat as to prostrate the brain beyond the point of reaction. There already soid that the exciting course sometimes throws the blood in the face intead of the brain, as is observed in angry permis; and constitutes what is called facial apoplery. Cullen divides them according to there being an effusion of water or blood, and heals of them accordingly. But the effects are the

Same whatever be its course; whether from blood as serum; and there should be no difference in the plan of cure. appearances on Signation. Upon diputing Those who have died of this direase; the following circumstances have been observed. The repels of the plexus charaides are after disten-- ded with bland, and bodies similar to hyda. tids in other places have been found, conneted with them, some containing red blood; at athertimes a quantity of fluid similar To serum. There is sometimes, though rosely an effusion or more property) a secretion of pur in the brain Large Tumours hove also bunfound; and the brain is sometimes flavid and rafter than natural; at other times puter notwolly heard. The arteries and veins are generally found turged with blood; a quantity of extravorate? Walregrander on Signations thou of

blood or serum is almost always found either between the cranium and duramater, the dura and pio maley or in the cavaties or ventricles of the brain. Margagnizelater some cover, where the brain appeared or if consoled; but he says there was always blood found in the covities produced by consism; but it is more probable, that those cavaties were produced by that exhavasated blood. Prognosis. In some coses of this disease, it is almost impossible to faceled the event, but in others the prognostic may be made with

more extainly The following are the signs of Patality. When it accurs inyoung men, and persons under the age of thirty & Rush up he never sow but one nevery this always fatal in children, also when one ride is converted. a forming of the mouth, and the coming on afa chilly



fit is slowy fatal. a full bounding or slow pulse is also unfovourable. The absence of fever in the commencement or the coming of afever latein the direare, is almost always fotal. after bloodletting if the pulse becomes intermitting it is very alarming. The face is sometimes white, which is much more alarming than when red. Miteomer an without any premonitory signs it is always dangerous. If the symptoms continue violent for some days it is generally fotal; also if the sphirelass of the anus and bladder are relaxed in the beginning of the attack, it is always dangerous. When The polient has lost the power of deglietition, it denotes a violent disease; and losty, when There is a cold and clammy weal, The face hoving a cadoverous appearance, the eyes placed and dull, mother the near approach of death.

The favourable signs are the presence of fever or a quick and frequent pulse at the coming on of the direase general weats, and the poly in one side are also favourable. a drownings and lop of memory, almost always follow the recovery. Thereturn of any develowed warmation if it has been suspended is always forourable, The return of any former hobits, of body or mind are also forourable. Cure. In the forming state of this direase. the loss of a few aurees of blood, or a funge will after prevent it altogether; and if it does not, it will tend very much to lef-- sen its violence and duration. as soon as we are called to a patient in a pas - rongen of this disease, the first thing that aught to be done, is to remove all bandages, or ligatures from around the patient, apen The shirt collar and take of the shoer and stackings on boots; at the some time the

was hours fit has been real per did

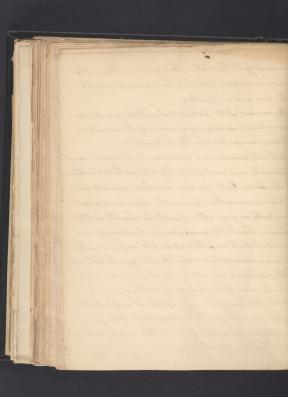
room should be cleared of all unnecepory afterdonts; and the windows and doors should be thrown open. The head of the polient should also be elevated. Bloodletting. This should be regulated ourding to the state of the pulse, and the hobits of the patient. In all cases of a full hobit, and where the disease has been preceded by marks of a plethone states it is to be und very largely; Mis very often necepory to take from fifty to a hundred auneer in a short space of time. It has been recommended to chave blood from the jugular veins and temporal arterys; but this is not so convenient as draw. ing if from the arm; and when taken in This manner it answers every purpose of the other, if it be in sufficient quantities; there-- fore it is to be prefered; but when from any circumstance we connot draw blood from the arm in sufficient quantities,

hat this within the whole going the polared, maderous of a feel tholish the temporal artery aught to be divided. sometimes the pulse is deprepade in those cares the blood should be drawn in small quantities at a time, and often repeated; after a while the pulse will become full and tenre, when we may bleed feely. Cupping and narifying the temples and book part of the head, should be performed if the ystem will not bear bleding. Burger. There are of the greatest service in this direase; the bowels should be emplied as soon as popule; for this purpose, glysters may be used if the patient is unable to wallow; but as soon as he recovers a little and is able towallow; purger are to be given by the mouth; but I do not think that they aught to be very dros = die, as is the opinion of several respectable are thous. Cometies. These have been much recommended by some proetitioners; and particularly by the elebrated D. Folhergill, but they aught

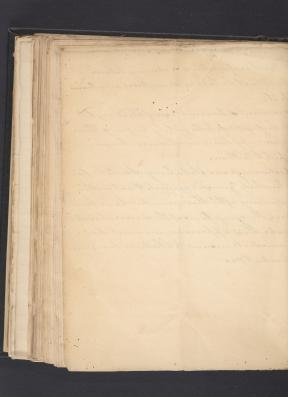
never to be used until after blood letting has bun practised: They are pueuliarly uneful when, the disease is brought on by a full meal, or any thing taken into the stomach. Polisters have also been unful in some cases of this dinease, but they aught not to be ap-- plied until after bloodletting. Cold water or be is avery important remedy in this dinase and aught never to be nights = - teds particularly where the head is unumed = - by hot; previous to their application the hair should be showed off, and the application mode by mean of wet cloaths, or confined in a blod-- der. Cool and fresh air is very unful in this disease, His also necessary to keep the lower extremeties defended from cold. Sometimes the system is prostrated beyond The point of reactions and here we must have recourse to stimulants, such as blisters, sinapisms or sinapisms in those cases ore always

to be prefered, for they stimulate more and do not evacuate summ. sometimes the actual contary must be used; volatile substances applied to the nose, and certain sounds of avery autenatures all of these have been wild with more or less sweets in this stage of the direase. The means of preventing a recurrence of this direase is to avoid all its existing courses avoid the stimules of too much aliment; exul should be particularly quarded against just before going to bed. The absence of any unal stimulus should be avoided. In those persons accustomed to high living The food should be cordial, but in small quantities. Indigertable food of all kinds should be avoided. The potient should also avois achouge of diet as much as popible. mattliquors of all kinds should be avoided. The patient may take a little madeira wine, who is little

according to the state of his system; This is the more neepory if he has been accustomed to the use arount spirits. The exercise of the potient should be gentle best constant. sudden papions of the mind, as terror, angeroe. should be avoided. all the accarional courses are to be avoided, such as cots and wet feet, tight ligatures, intense study or If the person has been accustomed to an evacuation from the homorrhoidal vepels, or any other part, he should either bring bock the accestomed discharge, ar substitute another. an ato sore or cuta-- mians exuption should always betolerated. The patient should avoid sleeping on his bock, or with his head low, or always on one side. Sheping on a mathrop is unful for persons disposed to apoplexy, it produces withefines, and prevents the accumulation of blood in the brain.



The practice of smoking or chewing tobacco. should not be laid aride in those accustomed to it. a constant determination of blood aught to be kept up to the feet, by keeping them warm, applying inapiems or burguing pitch to them. Costinenes and flatulency should be for - tienlarly quarded against. If not with-- standing after those remedies have been used, the symptoms of the disease should make their appearance, we must have immediate recourse to bleeding purging lowdiet se.



Edwards - apoplesy - 1811 1. apoplety. 2 apoplety. 3 Cholera - Jafant. 5 Cholera mortino 6 Cholina -7 Pyshepsia -8 Dyshepsia -9 Hy hochondriasis -10 Pleuritis -

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